

USPTO  
TO : CENTRAL FAX COMPANY :  
JUL 28 2005 2:59PM  
*list of Radical Names*

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LVM 312 616 5700

NO. 5625 P. 6

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## List of Radical Names From "N" to "O"

<i>Radical name</i>	<i>Formula</i>	<i>Based on rule no.</i>
Naphthacenyl	C <sub>18</sub> H <sub>11</sub> —	<u>A-21.1, A-24.2</u>
Naphthaleneazo	C <sub>10</sub> H <sub>7</sub> ·N=N—	<u>C-911.2</u>
<i>naphthalenecarbonyl,</i> <i>see Naphthoyl</i>		
Naphthalenetetrayl	>C <sub>10</sub> H <sub>6</sub> <	<u>A-24.4</u>
Naphtho[2,3-b]thienyl (replacing thiophanthrenyl)	SC <sub>12</sub> H <sub>7</sub> —	<u>B-2.11, B-5.11</u>
Naphthoyl (preferred to naphthalenecarbonyl)	C <sub>10</sub> H <sub>7</sub> ·CO—	<u>C-404.1</u>
Naphthoxyloxy	C <sub>10</sub> H <sub>7</sub> ·CO·O—	<u>C-463.3</u>
Naphthyl	C <sub>10</sub> H <sub>7</sub> —	<u>A-24.2</u>
Naphthylazo	C <sub>10</sub> H <sub>7</sub> ·N=N—	<u>C-912.3</u>
Naphthylene	—C <sub>10</sub> H <sub>6</sub> —	<u>A-24.4</u>
Naphthylenebisazo	—N=N·C <sub>10</sub> H <sub>6</sub> N=N—	<u>C-912.5</u>
Naphthylmethylene	C <sub>10</sub> H <sub>7</sub> ·CH=	<u>A-4.1</u>
Naphthylmethyldyne	C <sub>10</sub> H <sub>7</sub> ·C≡	<u>A-4.1</u>
Naphthoxy	C <sub>10</sub> H <sub>7</sub> ·O—	<u>C-205.1</u>
Naphthyridinyl	N <sub>2</sub> C <sub>8</sub> H <sub>6</sub> —	<u>B-2.11, B-5.11</u>
Neopentyl (unsubstituted only)	(CH <sub>3</sub> ) <sub>3</sub> C·CH <sub>2</sub> —	<u>A-2.25</u>
Neryl	C <sub>10</sub> H <sub>11</sub> —	<u>A-75.1</u>
Nicotinoyl (preferred to 3-pyridinecarbonyl)	NC <sub>6</sub> H <sub>5</sub> CO— (3-)	<u>C-404.1</u>
Nitrido	N≡	<u>C-72.1, C-815.1</u>
Nitro	O <sub>2</sub> N—	<u>C-10.1, C-852.1</u>
<i>aci</i> -Nitro	HO·(O <sup>2+</sup> )N=	<u>C-10.1, C-852.2</u>
Nitroso	ON—	<u>C-10.1, C-851.1</u>
Nonaacetyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>8</sub> ·CH <sub>2</sub> —	<u>A-1.2</u>
Nonacosyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>20</sub> ·CH <sub>2</sub> —	<u>A-1.2</u>
Nonadecyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>19</sub> ·CH <sub>2</sub> —	<u>A-1.2</u>
Nonanediroyl	—CO·[CH <sub>2</sub> ] <sub>7</sub> ·CO—	<u>C-403.1</u>
Nonanoyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>7</sub> ·CO—	<u>C-403.1</u>
Nonyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>11</sub> ·CH <sub>2</sub> —	<u>A-1.2</u>
Norbornyl (replacing norcamphyl and norbornylyl)	C <sub>7</sub> H <sub>11</sub> —	<u>A-75.2</u>
<i>norbornylyl,</i> <i>see Norbornyl</i>		
<i>norcamphyl,</i> <i>see Norbornyl</i>		

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Norcaryl	C <sub>7</sub> H <sub>11</sub> -	A-75.2
Norleucyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>3</sub> ·CH(NH <sub>2</sub> )·CO-	<u>C-421.1</u>
Norpinanoyl	C <sub>7</sub> H <sub>11</sub> -	A-75.2
Norvalyl	CH <sub>3</sub> ·CH <sub>2</sub> CH <sub>2</sub> ·CH(NH <sub>2</sub> )·CO-	<u>C-421.1</u>
Octacontyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>18</sub> CH <sub>2</sub> -	<u>A-1.2</u>
Octacosyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>28</sub> CH <sub>2</sub> -	<u>A-1.2</u>
Octadecanoyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>16</sub> CO-	<u>C-403.1</u>
cis-9-octadecenoyl, see Oleoyl		
Octadecyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>16</sub> CH <sub>2</sub> -	<u>A-1.2</u>
Octanedioyl	-CO[CH <sub>2</sub> ] <sub>6</sub> CO-	<u>C-403.1</u>
Octanoyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>6</sub> CO-	<u>C-403.1</u>
Octyl	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>5</sub> CH <sub>2</sub> -	<u>A-1.2</u>
Oleoyl (preferred to cis-9-octadecenoyl)	CH <sub>3</sub> [CH <sub>2</sub> ] <sub>7</sub> ·CH=CH·[CH <sub>2</sub> ] <sub>7</sub> ·CO-	<u>C-404.1</u>
Ornithyl	NH <sub>2</sub> [CH <sub>2</sub> ] <sub>5</sub> ·CH(NH <sub>2</sub> )·CO-	<u>C-421.1</u>
Ovalenyl	C <sub>22</sub> H <sub>43</sub> -	<u>A-21.1, A-24.2</u>
Oxalaceto	HOOC·CO·CH <sub>2</sub> ·CO-	<u>C-416.3</u>
Oxalacetyl	-CO·CH <sub>2</sub> ·CO·CO-	<u>C-416.3</u>
Oxalo	-HOOC·CO-	<u>C-405.2</u>
Oxalyl (preferred to ethanedioyl)	-CO·CO-	<u>C-404.1, C-405.2</u>
Oxamoyl	NH <sub>2</sub> CO·CO-	<u>C-431.2</u>
Oxapyrenyl	OC <sub>15</sub> H <sub>9</sub> -	<u>B-4.1, B-5.21</u>
Oxazinyl	ONC <sub>4</sub> H <sub>4</sub> -	<u>B-1, B-5.11</u>
Oxazolidinyl	ONC <sub>3</sub> H <sub>6</sub> -	<u>B-1, B-5.11</u>
Oxazolinyl	ONC <sub>3</sub> H <sub>4</sub> -	<u>B-1, B-5.11</u>
Oxazolyl	ONC <sub>3</sub> H <sub>2</sub> -	<u>B-1, B-5.11</u>
Oxido	O-(ion)	<u>C-86.2</u>
Oxo	O=	<u>C-10.3, C-316</u>
Oxonio	*H <sub>2</sub> O-	<u>C-82.1, C-85, C-87.1</u>
Oxy	-O-	<u>C-72.2, C-212.1</u>

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Additional Nomenclature Resources:

- Explore IUPAC and CAS Nomenclature tools, such as [Free IUPAC name generation](#) and professional [ACD/Name Software](#)
- Look up structures of trivial and trade names with [ACD/Dictionary](#)

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